

**EPA REGISTRATION NUMBER 87583-2 – VOL. 3
PART 2**

PROCESSING REQUEST

Reg # 87583-2

Decision # 526195

Description: Addition of Optional Marketing Statements

Electronic Label & Letter
(see PPLS):

OR

**Non Electronic
Label & Letter**
(Scanning required):

☐ Dated:

☒ Dated: 05/23/17

Only one label type should be selected

Other Materials Sent (see jacket):

☐ New CSF(s) Dated:

☐ Other:

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: Karen M. Leavy

Division: AD

Phone: 308-6237

Date: 05/30/17



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

May 23, 2017

Mr. Kevin Kutcel
Pure Shield, Inc.
1445 Jupiter Park Drive, #11
Jupiter, FL 33458

Subject: Label Amendment – Addition of Optional Marketing Statements
Product Name: Bio-Protect AM500
EPA Registration Number: 87583-2
Application Date: February 8, 2017
Decision Number: 526195

Dear Mr. Kutcel:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Karen M. Leavy by phone at (703)-308-6237 or via email at Leavy.Karen@epa.gov.

Sincerely,



Eric Miederhoff
Product Manager 31
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclosure

ACCEPTED

05/23/2017

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 87583-2

Bio-Protect AM500

MICROBIOSTATIC AGENT *
A Silicone Quaternary Ammonium Salt

Active Ingredient: 3-(trimethoxysilyl) propyldimethyloctadecyl ammonium chloride..... 5.0%
Other Ingredients: 95.0%
TOTAL INGREDIENTS: 100.0%

KEEP OUT OF REACH OF CHILDREN WARNING

EPA Reg. No. 87583-2

EPA EST. 74348-FL-001

NET CONTENTS: 2, 4, 8, 16, 20, 22, or 36 fluid oz.; 1, 5, 55, 150, or 300 gal.

Lot No. _____

FIRST AID

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call poison control center or doctor for treatment advice.

IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

IF ON SKIN:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

*A microbiostatic agent is an agent that inhibits the growth of odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.

This product does not protect users or others against food-borne or disease-causing bacteria.

PURESHIELD INC., 1445 Jupiter Park Drive, Suite 11, Jupiter, PureShield, Inc. 33458

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes substantial but temporary eye injury. Harmful if absorbed through skin or inhaled. Do not get in eyes. Avoid contact with skin and avoid breathing vapor. Wear protective eyewear (goggles or face shield). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

Commercial and industrial uses: This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For more information, contact your State Water Board or Regional Office of the EPA.

De-activation may be required during clean up if a spill occurs. De-activation of BIO-PROTECT AM500 can be achieved by the addition of anionic surfactant (such as soap, sulfonates, sulfates) in quantity equivalent to that of BIO-PROTECT AM500.

Homeowner use: This pesticide is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of pesticide.

DIRECTIONS FOR USE

Approved commercial and Industrial Applications

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Wear protective eyewear (goggles or face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry.

Prepare solution by simply adding BIO-PROTECT AM500 to water or other solvents (for example, alcohol and ketones) and stirring. BIO-PROTECT AM500 can be diluted by following:

Amount of Water	1 quart (32 fl. oz.)	0.5 gallon (64 fl.oz.)	1.0 gallon (128 fl. oz.)	5.0 gallons
BIO-PROTECT AM500	4 fluid ounces	8 fluid ounces	16 fluid ounces	80 fluid ounces

The solution can then be applied to organic or inorganic substrates by brushing, dipping, padding, soaking, spraying or fogging.

FOGGING: This product is for porous and non porous room surfaces. All surfaces must be cleaned in accordance with label directions prior to fogging. Fogging is a supplement to normal cleaning procedures and practices.

1. Prior to fogging, remove and carefully protect all food products and packaging materials.
2. Ensure room is properly ventilated. Wear a dust mist respirator when mixing the use solution and pouring it into the fogging apparatus. Vacate all personnel from the room during fogging and for a minimum of 2 hours after fogging and a minimum of 4 air exchanges (ACH) per hour in the facility. Ensure there is no strong odor which is characteristic of acetic acid, before allowing personnel return to work area.
3. Fog areas using one quart per 1000 cu. ft. of room area with 0.3% (3.5 fl. oz. per 10 gallons of water) (or equivalent use dilution) solution.
4. Allow surfaces to drain thoroughly and air dry before operations are resumed.

PADDING: Fabric should be previously scoured and/or dyed and neutralized. Alkalinity may prohibit BioProtect500 from attaching to fabric. pH of fabric should be less than 5.5 to aid pick up. Determine an accurate wet pick up. It is preferable that fabric be padded wet on dry. However, if wet on wet finishing is necessary, it is imperative that an accurate exchange rate be calculated to effect enough Bio-Protect AM500 to fabric.

Make up solution of Bio-Protect AM500 in head tank or side tank near (The amount of Bio-Protect AM500 will be 4-5% on the weight of the goods). Calculate amount needed adjusting for wet pick up of fabric being padded. If vacuuming is used, make adjustment for this also.

Drop solution to pad and run fabric through pad.

Dry substrates at temperatures from ambient to a maximum of 160° C (320° F) to effect complete condensation of silanol groups and to remove water, solvents and/or traces of methanol from hydrolysis. Optimum application and drying conditions, such as time and temperature, should be determined for each application before use. If necessary, reapply BIO-PROTECT AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

BIO-PROTECT AM500 when used as a concrete additive is added directly concrete preparation. Use 6 fluid ounces BIO-PROTECT AM500 per cubic feet of concrete. Add to water before addition of concrete. Addition of BIO-PROTECT AM500 reduces deterioration of sewer pipes and manholes by inhibiting microbiologically induced corrosion.

BIO-PROTECT AM500 when used as an additive for paints and coatings is added directly during preparation of the paint or coating. Use 5 pounds of BIO-PROTECT AM500 per 100 pounds of paint or coating (or 1 pound BIO-PROTECT AM500 per 20 pounds paint/coating). The addition of the antimicrobial agent (BIO-PROTECT AM500) to paints at the point of manufacture preserves the paint in the can as well as the dried paint film. BIO-PROTECT AM500 inhibits the growth of odor causing bacteria, bacteria which causes staining and discoloration, fungi (mold and mildew), and algae on the surface of dried films and coatings.

Approved commercial and industrial applications

The active ingredient in BIO-PROTECT AM500 is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent. BIO-PROTECT AM500 can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

- Air Filters for furnaces, air-conditioners, air purification devices, automobiles, recirculating air handling systems.
- Air filters/materials
- Aquarium filter material
- Bed sheets, blankets, and bedspreads
- Buffer pads (abrasive and polishing)
- Carpets and draperies
- Non-food contact Cellulose sponges
- Exterior walls (such as stone, concrete, brick)
- Fiberfill for upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, polyester, rayon, or wool
- Fiberglass duct board
- Fire hose fabric
- Humidifier belts
- Mattress pads and ticking
- Men's underwear and outerwear
- Non-woven polyester
- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)
- Polyurethane and cellulose foam for household, industrial, and institutional, non-food contact sponges and mops
- Polyurethane and polyethylene foam, when covered
- Polyurethane foam for packaging and cushioning in non-food contact applications
- Polyurethane foam used as a growth medium for non-food crops and plants
- Sand bags, tents, tarpaulins, sails, and ropes
- Athletic and casual socks
- Shoe insoles
- Shower curtains
- Socks comprised of nylon, nylon/orlon, cotton/nylon, linen/Lycra, acrylic/polypropylene, nylon, Lycra, wool/silk/nylon/Lycra and wool/acrylic/nylon/Lycra
- Throw rugs Toweling made of 100 percent cotton, 100 percent polyester, and blends of the two fibers
- Toilet Tank and seat covers
- Umbrellas
- Upholstery made of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene polyolefins, polypropylene, rayon, spandex, vinyl, wool
- Vacuum cleaner bags and filters
- Vinyl paper-wallpaper for non-food contact surfaces
- Woman's hosiery
- Woman's intimate apparel

DIRECTIONS FOR USE

Approved commercial appliances used in homes, offices, automobiles and institutions e.g., schools, hospitals, daycare centers, churches, correctional facilities

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Wear protective eyewear (goggles and face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry. Clean surfaces prior to application.

For Pump Spray Application: Dilute 8 ounces of BIO-PROTECT AM500 per gallon of water (2 oz. per quart; 1oz. per pint). Using pump sprayer, spray entire area 4"-6"s from the surface making sure the surface is completely covered. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabrics and carpets by treating and drying a small, concealed area prior to application. BIO-PROTECT AM500 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more BIO-PROTECT AM500 may be required due to absorption. A fan may be used to assist in drying carpet.

For Commercial Spray Application: For commercial application equipment (i.e. carpet/upholstery steamers, rotary jet extraction cleaners, and pressure sprayers) dilute 8 ounces of BIO-PROTECT AM500 per gallon of water (2oz. per quart; 1oz. per pint); mix well. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabrics and carpets by treating and drying a small, concealed area prior to application. BIO-PROTECT AM500 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more BIO-PROTECT AM500 may be required due to absorption. Dry carpet areas and surfaces before re-entry and dry articles before use. A fan may be used to assist in drying carpet.

For Dipping/Soaking Application: Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough BIO-PROTECT AM500 solution to completely submerge item. Dilute 8 ounces of BIO-PROTECT AM500 per gallon of water (2oz. per quart; 1oz. per pint); mix well. Completely submerge item in solution for 3 minutes. Remove item and dry. Test for staining and color-fastness of fabrics by treating and drying a small, concealed area prior to application. Do not reuse solution after dipping/soaking.

The substrate can be dried at room temperature or at temperatures to a maximum of 160°C (320°F), for example in a clothes dryer. Remove excess liquid before attempting to dry in a clothes dryer. If necessary, reapply BIO-PROTECT AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

For Laundry Application: Garments must be clean prior to the application of Bio-Protect AM500 into your washing machine. If dirty, wash them prior to the antimicrobial treatment. The application of Bio-Protect AM500 must be done separately from normal washing. Do not mix with regular detergent.

Pour 4 oz. of Bio-Protect AM500 into final rinse water of the washing cycle. Do not use in conjunction with any other laundry products. For front loaders, pour into dispenser for the final rinse cycle.

A typical mid-sized washing machine is capable of handling 9 lbs. of laundry. As the usage guideline chart below illustrates, a 4 oz. application of Bio-Protect AM500 will deliver long-lasting antimicrobial protection to a full load of laundry. For higher capacity washers or commercial application of Bio-Protect AM500, refer to the usage guidelines chart below.

Laundry in lbs.	Bio-Protect AM500 oz.
9	4
25	12
50	24
100	46
150	68
200	92

The substrate can be dried at room temperature or at temperatures to a maximum of 160°C (320°F), for example in a clothes dryer. Remove excess liquid before attempting to dry in a clothes dryer. If necessary, reapply Bio-Protect AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

Approved commercial applications in homes, offices, automobiles, and institutions e.g., schools, hospitals, day care centers, banks, churches, correctional facilities

The active ingredient in BIO-PROTECT AM500 is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent.

BIO-PROTECT AM500 can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

- Air Filters for furnaces, air-conditioners, air purification devices, automobiles, recirculating air handling systems.
- Air filters/materials
- Aquarium filter material
- Bed sheets, blankets, and bedspreads
- Buffer pads (abrasive and polishing)
- Carpets and draperies
- Cellulose sponges
- Exterior walls (such as stone, concrete, brick)
- Fiberfill for upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, polyester, rayon, or wool
- Fiberglass duct board
- Fire hose fabric
- Humidifier belts
- Mattress pads and ticking

- Men's underwear and outerwear
- Non-woven polyester
- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)
- Polyurethane and cellulose foam for household, industrial, and institutional, non-food contact sponges and mops
- Polyurethane and polyethylene foam, when covered
- Polyurethane foam for packaging and cushioning in non-food contact applications
- Polyurethane foam used as a growth medium for non-food crops and plants
- Pre-moistened towelettes and tissue wipes (these do not impart pesticidal properties)
- Sand bags, tents, tarpaulins, sails, and ropes
- Athletic and casual socks
- Shoe insoles
- Shower curtains
- Socks comprised of nylon, nylon/orlon, cotton/nylon, linen/Lycra, acrylic/polypropylene, nylon, Lycra, wool/silk/nylon/Lycra and wool/acrylic/nylon/Lycra
- Throw rugs Toweling made of 100 percent cotton, 100 percent polyester, and blends of the two fibers
- Toilet Tank and seat covers
- Umbrellas
- Upholstery made of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefins, polypropylene, rayon, spandex, vinyl, wool
- Vacuum cleaner bags and filters
- Vinyl paper-wallpaper for non-food contact surfaces
- Disposable wiping cloths that can be used for multiple purposes such as dusting or washing furniture, cars, walls, windows, floors, appliances, dishes, counter tops; the wiping cloths do not impart pesticide properties
- Women's hosiery
- Women's intimate apparel

DIRECTIONS FOR USE

For homeowner applications

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Wear protective eyewear (goggles or face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry. Clean surfaces prior to application.

Approved homeowner uses

The active ingredient in BIO-PROTECT AM500 is effective against odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae as a static agent. BIO-PROTECT AM500 can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

	Pest controlled	Dilution Rate	Method of Application
Bedsheets, blankets, bedspreads, curtains, draperies (washable only), underwear, socks, intimate apparel, hosiery, throw rugs, toweling, toilet tank covers, shower curtains, shoe insoles, outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos). BIO-PROTECT AM500 can be applied to fabrics made of acetates, acrylics, cotton, fiberglass, linen, Lycra, nylon, orlon, polyester, polyethylene, polyolefins, polypropylene, rayon, silk,	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	<p>DIP/SOAK: Dilute BIO-PROTECT AM500 in water; mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough BIO-PROTECT AM500 solution to completely submerge item. Keep item in solution for 3 minutes. Remove item and wring excess liquid from treated item. For larger items (e.g. bedspreads, curtains, draperies), place in washing machine on spin cycle to aid in the removal of excess liquid. Test staining and color-fastness of fabric and carpets by treating and drying a small concealed area prior to application. Do not reuse solution after dipping/soaking. Dry treated articles before use. Substrates can be hang-dried at room temperature or at temperatures to a maximum of 160°C (320°F); (for example, in a clothes dryer). If necessary, reapply BIO-PROTECT AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.</p> <p>SPRAY: Dilute BIO-PROTECT AM500 in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface,</p>

spandex, vinyl, and wool.			making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small concealed area prior to application. If necessary, reapply BIO-PROTECT AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	Dilution Rate	Method of Application
Air filters and air filter material for: <ul style="list-style-type: none"> • Furnaces, air conditioners • Air purification systems • Automobiles • Recirculating air handling systems • Vacuum cleaner filters • Aquariums 	Odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	8 oz / gallon 2 oz / quart 1 oz / pint	SPRAY: Dilute BIO-PROTECT AM500 in water; mix well. When treating filters, remove filter from the unit. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Apply and then let stand until dry. If necessary, reapply BIO-PROTECT AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.
	Pest controlled	Dilution Rate	Method of Application

Carpeting	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	SPRAY: Dilute BIO-PROTECT AM500 in water; mix well. Apply to clean carpet surface. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. For rotary jet extraction cleaners and carpet steamers, add the diluted BIO-PROTECT AM500 solution directly to the cleaning tank, then operate the equipment in accordance with manufacturer's instructions. Apply and then let stand until dry. Test staining and color-fastness of carpets by treating and drying a small concealed area prior to application. BIO-PROTECT AM500 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates (e.g., wool carpeting), more BIO-PROTECT AM500 may be required due to absorption. Dry carpet areas and surfaces before re-entry. A fan may be used to assist in drying carpeting. Remove children and pets from treated area until completely dried. If necessary, reapply BIO-PROTECT AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	Dilution Rate	Method of Application
Mattress pad and mattress ticking and upholstery composed of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefins, polypropylene, rayon, spandex, vinyl, wool; fiberfill to be used in upholstery,	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	SPRAY: Dilute BIO-PROTECT AM500 in water; mix well. Clean surfaces prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small concealed area prior to application. When applying to mattress pads and ticking do not soak. Remove children and pets from treated

sleeping bags, apparel, where the fiber is cotton, natural down, nylon, rayon, or wool			area until completely dried. If necessary, reapply BIO-PROTECT AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	Dilution Rate	Method of Application
Tents, tarpaulins, sails, ropes.	Odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	8 oz / gallon 2 oz / quart 1 oz / pint	<p>SPRAY: Dilute BIO-PROTECT AM500 in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small concealed area prior to application. If necessary, reapply BIO-PROTECT AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.</p> <p>DIP/SOAK: Dilute BIO-PROTECT AM500 in water; mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough BIO-PROTECT AM500 solution to completely submerge item. Keep item in solution for 3 minutes. Remove item and wring excess liquid. Test staining and color-fastness of fabric and carpets by treating and drying a small concealed area prior to application. Do not reuse solution after dipping/soaking. Dry treated articles before use. Substrates can be hang-dried at room temperature or at temperatures to a maximum of 160°C (320°F); (for example, in a clothes dryer). If necessary, reapply BIO-PROTECT AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.</p>

	Pest controlled	Dilution Rate	Method of Application
Roofing materials (such as shingles, roofing granules, wood shakes, felt, stone, synthetic overcoats) Exterior walls (such as stone, concrete, brick)	Odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	8 oz / gallon 2 oz / quart 1 oz / pint	SPRAY: Dilute BIO-PROTECT AM500 in water; mix well. Make sure the roof or wall is clean prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 6"-12" from the surface, making sure the surface is completely covered. After applying the diluted solution of BIO-PROTECT AM500, let stand until dry. BIO-PROTECT AM500 treats approximately 200 square feet of roofing or wall per diluted gallon of water. If necessary, reapply BIO-PROTECT AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	Dilution Rate	Method of Application
Buffer pads (polishing and abrasive), polyurethane for household, non-food contact sponges and mops, vacuum cleaner bags, umbrellas, casual shoes, athletic shoes	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	SPRAY: Dilute BIO-PROTECT AM500 in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. If necessary, reapply BIO-PROTECT AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	Dilution Rate	Method of Application
Tubs, glazed tile, vanity tops, shower curtains, shower stalls (areas), sinks, washable walls, wall paper for non-food contact, floors, window sills, cabinets,	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	SPRAY: Dilute BIO-PROTECT AM500 in water; mix well. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. If necessary, reapply BIO-PROTECT AM500 every

garbage cans, appliances, refrigerators (exterior), non-food contact fiberglass, formica, glazed tiles, glazed porcelain, synthetic marble, plastic, vinyl			three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
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Optional Marketing Statements

Mold free for up to 3 months

3 Months

Protection for indoor and outdoor use

Creates an invisible barrier to inhibit the growth of mold to keep indoor and outdoor surfaces mold free for up to 3 months

Reapply this product every 3 months to replenish barrier from mold and mildew

Waterproof

Water based and odor free

MOLD, MILDEW, ODOR PROTECTOR AND INHIBITOR BIO-PROTECT AM500 is an antimicrobial agent effective against odor-causing bacteria.

BIO-PROTECT AM500 is an antimicrobial agent effective against bacteria which cause staining and discoloration.

BIO-PROTECT AM500 is an antimicrobial agent effective against fungi (mold and mildew).

BIO-PROTECT AM500 is an antimicrobial agent effective against algae.

BIO-PROTECT AM500, and antimicrobial agent, controls the source of odors on non-food contact surfaces in the home, in the bathroom, in the kitchen. (Bacteriostatic, fungistatic (mold and mildew), algaestatic.

BIO-PROTECT AM500, and antimicrobial agent, inhibits smelly odors caused by mold and mildew that can grow even in the cleanest of homes.

BIO-PROTECT AM500, and antimicrobial agent, inhibits the growth of odor causing bacteria. Effective on hard non-porous washable bathroom and non-food contact kitchen surfaces and fixtures around the home.

Effective on modern hard non-porous washable surfaces like fiberglass, glazed porcelain, Formica®, stainless steel, synthetic marble.

Imparts microbiostatic properties.

Use on carpet and upholstery to inhibit odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew).

Unscented.

Use on carpet and upholstery to inhibit the growth of odor-causing bacteria.

Use on carpet and upholstery to inhibit the growth of bacteria which cause staining and discoloration.

Use on carpet and upholstery to inhibit the growth of fungi (mold and mildew).

Use on carpet and upholstery to inhibit the growth of odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.

Provides and invisible microbiostatic coating to inhibit the growth of odor-causing bacteria.

Provides and invisible microbiostatic coating to inhibit the growth of bacteria which cause staining and discoloration.

Provides and invisible microbiostatic coating to inhibit the growth of fungi (mold and mildew).

Provides and invisible microbiostatic coating to inhibit the growth of algae.

Provides and invisible microbiostatic coating to inhibit the growth of odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.

Prevents deterioration caused by bacteria and fungi (mold and mildew).

Inhibits deterioration caused by bacteria.

Resists development of microbial odors.

Resists development of stains and discoloration due to bacteria.

Resists development of stains due to fungi (mold and mildew).

Resists stains due to algae.

Resists development of microbial odors, stains and discoloration due to bacteria, fungi (mold and mildew), and algae.

Provides/creates an invisible barrier to inhibit the growth of odor-causing bacteria.

Provides/creates an invisible barrier to inhibit the growth of bacteria which cause staining and discoloration.

Provides/creates an invisible barrier to inhibit the growth of fungi (mold and mildew).

Provides/creates an invisible barrier to inhibit the growth of algae.

Provides/creates an invisible barrier to inhibit the growth of odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Store in original, tightly closed containers below 30°C (86°F) and above 0°C (32°F) in a secure area inaccessible to children and away from food or feed.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **[For homeowner use the statement will read: "Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site."]**

Container Handling: (containers intended for residential users) Nonrefillable/container. Do not reuse or refill the container. Securely wrap original container in several layers of newspaper and discard in trash or offer for recycling if available.

Container Handling: (containers intended for nonresidential users, larger than 5 gallons) Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Dispose of rinsate as pesticide waste. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

Container Handling: (containers intended for nonresidential users, smaller than 5 gallons) Non-refillable container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Dispose of rinsate as a pesticide waste. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

FOR MORE INFORMATION CONCERNING THIS PRODUCT, PLEASE CONSULT THE MATERIAL SAFETY DATA SHEET (MSDS). THE MSDS CAN BE OBTAINED BY WRITING PURESHIELD, INC., INC. AT 1445 JUPITER PARK DRIVE, SUITE 11, JUPITER, FL 33458.

IMPORTANT: WARRANTY AND DISCLAIMER INFORMATION

PURESHIELD, INC., Inc. warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated in this bulletin when used in accordance with directions under normal conditions of use; but this warranty of fitness for a particular purpose does not extend to the use of this product contrary to bulletin instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to the seller, and buyer assumes the risk of any such use.

PURESHIELD, INC., INC. SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING THE WARRANTY OF MERCHANTABILITY.

KRK Consulting LLC

5807 Churchill Way

Medina, OH 44256

Tel: 440-263-7305

E-mail: kevinkutcel@gmail.com

February 9, 2017

Mr. Eric Miederhoff (MC 7508P)
Product Manager Team 33
US Environmental Protection Agency (AMEND)
Office of Pesticide Programs
Antimicrobial Division (S-8824)
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Subject: Fast Track Amendment
EPA Reg. No. 87583-2
"Bio-Protect AM500"

Dear Mr. Miederhoff,

Please accept this application for a fast track amendment for "Bio-Protect AM50" (Reg. No. 87583-3) in which the following changes have been made to the label.

- Addition of optional marketing statements on p. 13.

Enclosed is one copy of the proposed highlighted label and three copies of the proposed final label. Also enclosed is the completed application form (EPA Form 8570-1).

Please note that KRK Consulting LLC is the authorized agent handling all correspondence for PureShield Inc. and therefore all responses should be directed to the contact information on the letterhead above.

Best Regards,



Kevin R. Kutcel,
Agent for PureShield Inc.



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☒ Amendment
☐ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number
PureShield Inc. / 87583-2

2. EPA Product Manager
Eric Miederhoff

3. Proposed Classification
☒ None ☐ Restricted

4. Company/Product (Name)
PureShield Inc. / Bio-Protect AM500

PM#
33

5. Name and Address of Applicant (Include ZIP Code)

PureShield Inc.
1445 Jupiter Park Drive, #11
Jupiter, FL 33458

☐ Check if this is a new address

6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:

EPA Reg. No. _____

Product Name _____

Section - II

☒ Amendment - Explain below.

☐ Resubmission in response to Agency letter dated _____

☐ Notification - Explain below.

☐ Final printed labels in response to
Agency letter dated _____

☐ "Me Too" Application.

☐ Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Please read attached cover letter.

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging

☐ Yes*
☒ No

* Certification must
be submitted

Unit Packaging

☐ Yes
☒ No

If "Yes"
Unit Packaging wgt. No. per
container

Water Soluble Packaging

☐ Yes
☒ No

If "Yes"
Package wgt No. per
container

2. Type of Container

☒ Metal
☐ Plastic
☐ Glass
☐ Paper
☐ Other (Specify) _____

3. Location of Net Contents Information

☒ Label ☐ Container

4. Size(s) Retail Container

see label

5. Location of Label Directions

☒ On Label
☐ On Labeling accompanying product

6. Manner in Which Label is Affixed to Product

☒ Lithograph
☐ Paper glued
☐ Stenciled

☐ Other _____

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name
Kevin Kutcel

Title
Agent

Telephone No. (Include Area Code)
440-263-7305

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature

3. Title
Agent

4. Typed Name
Kevin Kutcel

5. Date
2/8/2017

6. Date Application
Received
(Stamped)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

February 14, 2017

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

MR. KEVIN KUTCEL
KRK CONSULTING LLC
PURESHIELD, INC.
5807 CHURCHILL WAY
MEDINA, OH 44256-

PRODUCT NAME: BIO-PROTECT AM500
COMPANY NAME: PURESHIELD, INC.
OPP IDENTIFICATION NUMBER:
EPA FILE SYMBOL: 87583-2
EPA RECEIPT DATE: 02/13/17

SUBJECT: RECEIPT OF AMENDMENT

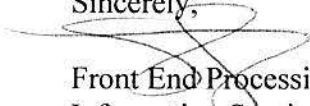
DEAR REGISTRANT:

The Office of Pesticide Programs has received your application for an amendment and it has passed an administrative screen for completeness.

During the initial screen we determined that the application appears to qualify for fast track review. The package will now be forwarded to the Product Manager for review to determine its acceptability for fast track status.

If you have any questions, please contact Antimicrobials Division, Risk Management Team 31, at (703) 347-8028.

Sincerely,


Front End Processing Staff
Information Services Branch
Information Technology & Resources Management Division

S: 998815

Min. Phone Email:

Regulatory Type: Product Registration - Section 3

Resubmission: ☐ Yes ☒ No

Application Type: Amendment

Fee For Service: ☐ Yes ☒ No

Billable: ☐ Yes ☒ No

Company: 87583 PURESHIELD, INC.

V

Print Letter

Enter More Information

Tracking

Risk Manager: Antimicrobials Division, Risk Management Team 31

Product #: 87583-2

Product Name: BIO-PROTECT AM500

Override#:

Me Too Section3: 53053-28

Me Too Product Name: ENVIROSYSTEMS PROSHIELD 5000 D

Application Date: 08-Feb-2017

OPP Rec'd Date: 13-Feb-2017

Front End Date: 13-Feb-2017

Risk Manager Send Date: 14-Feb-2017

FFS Due Date:

Negotiated Due Date:

OPP Target Date:

Fast Track: ☐

New Ingredient: ☐

Receipt Description:

LABEL AMENDMENT

New Ingredient

Request Date:

New Ingredient

Received Date:

Form A: ☐

Signature Date:

Form B: ☐

Signature Date:

Receipt Content

Paper Label

Des

View/Edit

K



Fee for Service

{998815J~

This package includes the following

- ☐ New Registration
- ☒ Amendment

☐ Studies? ☐ Fee Waiver?
☐ volpay % Reduction: ____

for Division

- ☒ AD
- ☐ BPPD
- ☐ RD

Risk Mgr. 31

Receipt No.	S-	998815
EPA File Symbol/Reg. No.		87583-2
Pin-Punch Date:		2/13/2017

☒ This item is NOT subject to FFS action.

Action Code:

Requested: 302

Granted: 302

Amount Due: \$ _____

Parent/Child Decisions:

☒ Inert Cleared for Intended Use

☐ Uncleared Inert in Product

Reviewer: E. Miduloff Date: 2/13/17

Remarks: